

In the Abstract:

Please replace the Abstract with the following rewritten Abstract:

~~An optical device for the combination of at least two light beams (3, 5), of various wavelengths is disclosed. The optical device is characterised in that the optical device has a first interface (21), which splits a reference beam (25), from each light beam (3, 5) and a second interface (31), which splits a further reference beam (33, 47) from each light beam and the reference beams and the further reference beams may be detected by at least one positional detector (27).~~

An optical device for combining a first light beam and at least one second light beam includes a first beam splitting device, a second beam splitting device and a position detector. The first beam splitting device splits a first reference beam from the first light beam and a second reference beam from the second light beam. The second beam splitting device splits a third reference beam from the first light beam and a fourth reference beam from the second light beam. The position detector detects respective positions of the reference beams so as to enable a respective propagation direction and/or a respective position of the first and/or second light beams to be adjusted as a function of the detected positions of the reference beams.